

RESTRICTED

STAT

	Av Daily Coal Output		Total No of Active Faces	Percent on Cycle Schedule	Faces Com- pleting Cycle Norm
	Tons	Percent of Plan			
1951					
Oct	2,735	101.3	13	9	8
Nov	2,766	101.4	13	10	8
Dec	2,862	106.0	12	10	8

In a half year, the average daily coal output rose 500 tons. Removal of coal from the face is carried out by coal-mining combines. Cutting machines are used only for cutting the face in development work. The introduction of the Donbass combine has freed a large number of workers, engaged in loading coal manually, part of whom have been transferred to development work. The work has been speeded up so that several new faces could be put into operation in a short time. The number of faces fulfilling the cycle norm almost tripled from May to December and the coal output from faces on the cycle work schedule was 88.5 percent of the total output of the mine. The average monthly productivity per exploitation worker increased 5.4 tons from May to December 1951.

Particularly great changes occurred in December when the average daily output rose almost 100 tons above the preceding month. This rise was directly attributable to Tikhon Arkhipovich Mikhaylov, honored miner and operator of a coal-mining combine, who was the instigator of a mass transition of miners to work on individual Stakhanovite plans.

Mikhaylov works at the third eastern face of section No 15 of the mine. The face is 135 meters long, the seam 1.1 meters thick, and the angle of dip 11 degrees. The roof is controlled by complete caving. An organpipe supporting structure has been set up for the conveyor line and metal props brace the face.

Operations at this face are carried out on the cycle work schedule with two shifts devoted to coal extraction and one to development work. During the development shift the combine is lowered and prepared for work, the conveyor line is transferred, and the organ-pipe supporting structure is set up. The section mechanic with two assistants inspect and repair all machines at the face and grease the bearings of the combine. In the first extraction shift, coal is removed from the lower half of the face and in the second shift from the upper half.

A complete cycle provides for the extraction of 360 tons of coal from the face. Before December this schedule was often violated, chiefly because of large amounts of lenticular pyrite which are located diagonally to the strike of the seam and which quickly wear away the bits of the cutting chain. Mikhaylov has worked for 20 years in the Nikanor Mine and he understands mining and geological conditions in the coal seams. He made valuable suggestions which were adopted and which reduced the wear on the bits, lessened the load on the electric motor, and saved working time. The following table shows how 93 minutes of working time were saved in a shift and 50 additional tons of coal were mined:

- 2 -

RESTRICTED

RESTRICTED

STAT

<u>Type of Operation</u>	<u>Time Saving per Shift (mm)</u>	<u>Increased Coal Output (tons)</u>
Transfer of props	21	10
Replacing of bits	17	10
Shifting of combine to a higher speed of operation	35	20
Improvement of road for machines	20	10

At present, more than 1,800 miners in the Nikanor Mine are working according to individual Stakhanovite plans, seeking and testing various methods to increase labor productivity. In December, labor productivity for the mine was 11.5 percent higher than in November. In the case of outstanding sections, it was even higher, as is shown in the following table:

<u>Sections of Nikanor Mine</u>	<u>Labor Productivity in Exploitation Operations,</u>		
	<u>Nov (tons)</u>	<u>Dec (tons)</u>	<u>Dec in % of Nov (%)</u>
No 1	54.9	67.5	123.1
No 6	48.6	59.2	122.1
No 7	53.3	69.0	129.1
No 15	56.9	70.0	123.0
No 17	74.0	83.0	112.4
No 33	57.1	66.0	115.5

The movement to introduce individual Stakhanovite plans is spreading rapidly to all mines of the Voroshilovgradugol' and Donbassantratsit combines, and thousands of workers engaged in all phases of mining are participating.

The fulfillment of individual Stakhanovite plans made it possible for workers at many faces and sections of mines in the Voroshilovgradugol' Combine to complete 1951 honorably and is laying a firm foundation for a successful 1952.

- E N D -

- 3 -

RESTRICTED